

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Mei Chen

Confirmation No.:

Application No.:

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: STABILIZING A SEQUENCE OF IMAGE FRAMES

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e)(1) or (2), and
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **ER212308324US**

Date of Deposit **Jan. 23, 2004**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By 

Typed Name: **Edouard Garcia**

Respectfully submitted,

Mei Chen

By 

Edouard Garcia

Attorney/Agent for Applicant(s)
Reg. No. **38,461**

Date: **Jan. 23, 2004**

PATENT APPLICATION

Sheet 1 of 3

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200312428-1	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT Mei Chen		
	FILING DATE Herewith	GROUP	

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,385,245	May 7, 2002	De Haan et al.	
	1B	6,628,805	Sep. 30, 2003	Hansen et al.	
	1C	5,973,733	Oct. 26, 1999	Gove	
	1D	5,557,684	Sep. 17, 1996	Wang et al.	
	1E	2003/0117611	June 26, 2003	Chon et al.	
	1F	2003/0090593	May 15, 2003	Xiong	
	1G	2003/0031382	Feb. 13, 2003	Broekaert	
	1H	2002/0118761	Aug. 29, 2002	Lee	
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	WO99/07156	Feb. 11, 1999	Griessl et al.		
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	M. J. Black and P. Anandan. The robust estimation of multiple motions: Parametric and piecewise-smooth flow fields. Computer Vision and Image Understanding, 63(1):75--104, Jan. 1996.
1R	J. Y. A. Wang and E. H. Adelson. Spatio-Temporal Segmentation of Video Data. Proceedings of SPIE on Image and Video Processing II, Vol. 2182, pp. 120-131, San Jose, February 1994.
1S	ZHU ZhiGang, XU GuangYou, YANG YuDong, Jin J S. Camera stabilization based on 2.5D motion estimation and inertial motion filtering[A]. IEEE. International Conference on Intelligent Vehicles[C]. Stuttgart, Germany: IEEE, 1998.

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	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	Remi Megret, Daniel DeMenthon. A Survey of Spatio-Temporal Grouping Techniques. Research report CS-TR-4403, LAMP, University of Maryland, August 2002.
2R	G�ard G. Medioni, Isaac Cohen, Fran�ois Br�mond, Somboon Hongeng, Ramakant Nevatia: Event Detection and Analysis from Video Streams. IEEE Transactions on Pattern Analysis and Machine Intelligence 23(8): 873-889 (2001)
2S	David Tweed and Andrew Calway. Moving Object Graphs and Layer Extraction from Image Sequences. In Tim Cootes and Chris Taylor, editors, Proceedings of the British Machine Vision Conference, pages 133--142. BMVA, September 2001.

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	3O					
	3P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

3Q	J. Y. A. Wang and E. H. Adelson. Layered Representation for Motion Analysis. Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition 1993, pp. 361-366, New York, June 1993.
3R	J.-R. Ohm, P. Ma : "Feature-based cluster segmentation of image sequences," Proceedings IEEE 4th International Conference on Image Processing (ICIP-97), vol.III, pp. 178-181, Oct. 1997
3S	

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